

Electronic Interfaces

R900 optocoupler modules

DIN 3

OBA 1000 - 2.5 mm² blocks - 9 mm .354" spacing

Characteristics

Opto. characteristics	OBA 1000 - 5 V DC	OBA 1000 - 24 V DC	OBA 1000 - 48 V DC	OBA 1000 - 110 V AC
INPUT				
Input voltage	5 V DC + 10%, - 10%	10.2 V DC to 28.8 V DC	48 V DC + 20%, - 15%	93.5 V AC to 152.4 V AC
Frequency				50 / 60 Hz
Input current	10 mA	8 mA to 12 mA	7 mA	7 mA to 10 mA
Pull-in voltage at Is=100%	4.5 V DC	10.2 V DC	40.8 V DC	93.5 V AC
Switching time C / O	10 ms / 10 ms	10 ms / 10 ms	10 ms / 10 ms	10 ms / 10 ms
Operating frequency	25 Hz	25 Hz	25 Hz	25 Hz
Permissible leakage current				

OUTPUT

Output voltage	24 to 253 V AC - 50 / 60 Hz
Output current min.	25 mA
Output current max.	1 A
Output leakage current at Umax.	< 0.5 mA
Residual voltage at I max and U rated	typical 1 V
	max. 1.6 V
Frequency on inductive load	
Isolation Input / Output	3000 V RMS

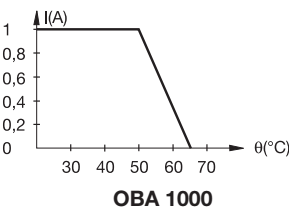
TEMPERATURE

Ambient temperature	- 40°C to + 80°C
storage	
operating	See derating curves

Other characteristics

Body material	grey	UL 94 V0
Wire	Solid wire	0.5-4 mm ² / 20-12 AWG
size	Stranded wire	0.5-2.5 mm ² / 20-12 AWG
Rated wire size		2.5 mm ² / 12 AWG
Wire stripping length		7 mm .276"
Recommended screwdriver		3.5 .137"
Protection		IP 20 NEMA 1
Recommended torque		0.4-0.6 Nm 3.5-5.3 lb.in
Approvals		CE, UL, etc.
Reference standards	CEI 947-7-1 / CEI 947-1 / CEI 1131-2 (in relevant parts) / CEI 60664-1 / CEM : IRC 1000-4-2, 3, 4, 5, 6.	

Derating curve

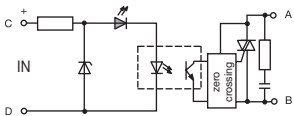
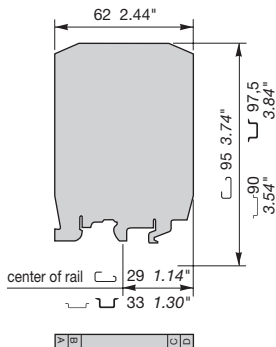


Order codes

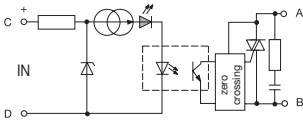
Description	Type	Order P/N	Packaging	Weight kg
Optocoupler module 5 V DC	OBA 1000-5VDC	1SNA 608 015 R0400	1	0.05
Optocoupler module 24 V DC	OBA 1000-24VDC	1SNA 608 019 R1000	1	0.05
Optocoupler module 48 V DC	OBA 1000-48VDC	1SNA 608 023 R0400	1	0.05
Optocoupler module 110 V AC	OBA 1000-110VAC	1SNA 608 026 R0700	1	0.05

Accessories

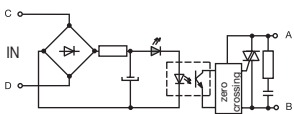
High end stop	BAMH	9,1 mm	1SNA 114 836 R0000	50
	BAMH	9,1 mm	1SNA 194 836 R0100	50
	BADH	12 mm	1SNA 116 900 R2700	50
Lengthwise marker	RLV		1SNA 103 849 R0300	
Marking method	RC55		see marking	



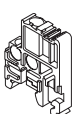
OBA 1000 - 5 - 48 V DC



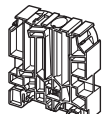
OBA 1000 - 24 V DC



OBA 1000 - 110 V AC



BAMH



BADH



RLV

